

SAZANOV, B.V., kand.tekhn.nauk, dotsent

Special features of turbines operating on saturated gas and the
methods for their thermal design. Izv. vys. ucheb. zav.; energ. 6
no.3:60-68 Mr '63. (MIRA 16:5)

1. Moskovskiy ordena Lenina energeticheskiy institut.
Predstavlena kafedroy teplosnabzheniya promyshlennykh predpriyatiy.
(Gas turbines)

SAZANOV, B.V., kand.tekhn.nauk

Training of industrial power engineering workers. Prom.energ.
18 no.2:2-5 F '63. (MIRA 16:2)

(Power engineering)

SAZANOV, B.V., kand.tekhn.nauk; MYAGKOV, A.A., inzh.

Universa. monogram of the moisture content of a saturated gas.
Prom. energ. 20 no.1:23-25 Ja '65.

(MIRA 18:4)

SAZANOV, B.V., kand.tekhn.nauk

Expenditure of power in the electric drive of a turbo-
compressor. Prom. energ. 20 no.11:11-14 N '65.

(MIRA 18:11)

L 29165-66

ACC NR: AP6018889

SOURCE CODE: UR/0104/65/000/011/0036/0040

AUTHOR: Sazanov, B. V. (Candidate of technical sciences); Myagkov, A. A. (Engineer)

ORG: none

TITLE: Method of calculating the heat recovery efficiency in steam-and-gas installations

SOURCE: Elektricheskiye stantsii, no. 11, 1965, 36-40

TOPIC TAGS: steam boiler, furnace, turbine

ABSTRACT: In steam-and-gas installations with a high-pressure steam generator or with final combustion of the turbine exhaust gases in the furnaces of ordinary steam boilers, fuel savings -- as compared with separate steam and gas installations -- are achieved by reducing the total amount of exit gases and transferring part of the heat of the high-temperature (gas) cycle to the steam cycle with its lower temperature, i.e. accomplishing so-called thermodynamic adjustment. This transfer is attained by heating (and sometimes partially evaporating as well) the feedwater with the gas-turbine exhaust gases. A more economical method of such transfer is heating the feedwater with an optimal combination of the heat of the turbine exhaust gases and the steam bled from the turbine. In this connection, the article discusses a method of calculating the change in the indexes of the steam part of steam-and-gas installation based on determining the coefficient ϵ of change in the power of the

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UDC: 621.181.68

L 29165-66

ACC NR: AP6018889

0
steam entering the disconnected regenerative heater, which makes it possible to determine the fuel savings produced by replacing regenerative steam heaters with water economizers. The coefficient ϵ can be calculated for any turbine in accordance with its manufacturing and operational specifications. The corresponding formulas are derived from the assumption of the constancy of the heat contribution of the live steam entering the turbine. Orig. art. has: 2 figures, 5 formulas, and 2 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 007

Card 2/2 CC

ZLATOPOL'SKIY, A.N., kand.tekhn.nauk; PRUZNER, S.L., kand.tekhn.nauk;
SAZANOV, B.V., kand.tekhn.nauk

Evaluation of economic effectiveness of the use of secondary
power resources. Prom. energ. 20 no.11:7-11 N '65.
(MIRA 18:11)

SAZANOV, E.V.

"Screen-projection of graphic elements in educational training." Vestnik Vysshey
Shkoly. Vol. 12, No 4, pp 49, 1954.

SO: D- 81919, 25 Aug 1954.

NESEYANOV, AN. N.; SAZANOV, L. A.; SAZONOVA, I. S.

Nuclear Physics

Chemical state of atoms obtained in nuclear transformations. Usp. khim. 22, No. 2, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SARANOV, D. I.

SARANOV, D. I. - "On the problem of the effect of the nervous system on the mitotic activity of cells". Leningrad, 1955. Min Education RSFSR. Leningrad State Pedagogical Inst imeni A. I. Gertsen. (Dissertation for the Degree of Candidate of Biological Science.)

SO: Knizhnaya Letopis', No. 43, 22 October 1955. Moscow

SAZANOV, L.I., kand. biolog. nauk; DEYNEKINA, T.; ALKHASOVA, Zh.

Activities of birds during the nesting period. Uch. zap. Kab.
Balk. gos. un. no.10:205-208 '61. (MIRA 17:6)

ACCESSION NR: AT4014065

S/3072/63/000/000/0102/0109

AUTHOR: Belosevich, V. K.; Chamin, Yu. A.; Shakhov, V. L.; Soltan, S. G.; Sazanov, M. A.; Chamin, I. A.

TITLE: Investigation of the properties of various complex esters as technological lubricants for the cold rolling of carbon and special steels

SOURCE: Fiz.-khim. zakonornosti deystviya smazok pri obrabotke metallov davleniyem. Moscow, Izd-vo AN SSSR, 1963, 102-109

TOPIC TAGS: lubricant, cold rolling, steel, complex ester, petrolatum, carbon steel, steel rolling

ABSTRACT: The effect of the structure of some synthetic esters upon their effectiveness as lubricants for the cold rolling of 08KP, 33A lKh18N9T, and VG98 steel has been investigated. The effectiveness of the lubricant was evaluated on the basis of measurements during several rolling operations with constant adjustment of the rollers. Thus, the distance of the top roller was reduced after each operation to provide constant pressure. There was found to be a direct linear relationship between band thickness and the pressure of the metal on the roller. The

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ACCESSION NR: AT4014065

effectiveness of various tested esters and natural oils is shown in Figure 1 of the Enclosure. Similar curves were obtained for various hydrocarbon lubricants and mixtures of technical petrolatum with the triethyleneglycol esters of the C17-C21 acids. It is concluded that the effectiveness of an ester increases proportionally with the length of the molecule. The type of alcohol and length of its molecule do not affect the lubrication properties of the ester, but do affect the melting point. Branches, chains and cyclic groups decrease the lubrication effectiveness of the esters. The presence of oleic acid in the lubricant increases the antiscratching property of the lubricant. The most effective esters proved to be those from the dibasic alcohols and the synthetic C17-C21 fatty acids containing antiscratching admixtures. The butyl ester of stearic acid was better than palm oil, while the technological properties of the simple hydrocarbons were worse than those of palm oil. The friction coefficient of any lubricant may be increased by dilution with a less effective one. "The work was carried out under the direction of I. M. Pavlov, corr. member of the AN SSSR." Orig. art. has: 6 figures and 2 tables.

Card

2/4

ACCESSION NR: AT4014065

ASSOCIATION: None

SUBMITTED: 00

SUB CODE: MM

DATE ACQ: 19Dec63

ENCL: 01

NO REF SOV: 007

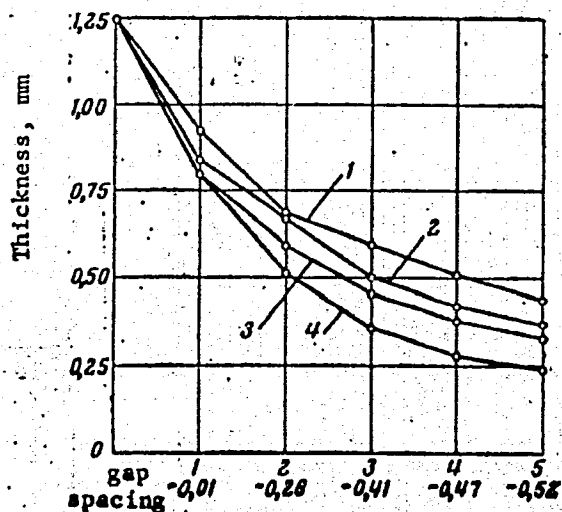
OTHER: 001

Card 3/4

ACCESSION NR: AT4014065

ENCLOSURE: 01

Effectiveness of various complex esters and natural fats (steel 08KP):



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SAZANOV, M. L.

137-58-1-2109

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 286 (USSR)

AUTHORS: Osipov, A. I., Kozhevnikov, I. Yu., Iudin, V. Ye., Sazanov, M. L., Bul'skiy, M. T., Alimov, A. G., Skrebtsov, A. M., Rebenko, A. P.

TITLE: A New Method for Speedy Analysis of Slag for Phosphorus by Means of Radioactive Tracers (Novyy metod ekspress-analiza shlaka na fosfor s primeneniym radioaktivnykh indikatorov)

PERIODICAL: V sb.: Fiz. -khim. osnovy proiz-va stali. Moscow, AN SSSR, 1957, pp 82-93. Diskus. pp 160-187

ABSTRACT: A method has been developed for speedy analysis of slag for P_2O_5 by means of radioactive P (I). The analysis requires 5-7 min. The method is accurate to within 5-6 percent (rel.). The consumption of material is 0.04-0.05 millicurie per t of metal. To determine P_2O_5 , I is introduced into the heat in a mixture with powdered Fe. The mixture is placed in a Cu ampoule and the I with the Fe form ferrophosphorus during the period of heating and fusion. This then undergoes uniform dissemination throughout the volume of the heat. Determination of P_2O_5 by radiometry requires one tagged sample in which the P_2O_5 is

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137-58-1-2109

A New Method for Speedy Analysis of Slag for Phosphorus (cont.)

determined chemically. A graph showing determination of P_2O_5 by radiometry as compared with the data of chemical analysis is presented. The employment of radiometric analysis of slag for P_2O_5 makes it possible to take and analyze a large number of samples of slag in the course of a heat.

K. K.

1. Slag analysis--Processes

Card 2/2

SAZANOV, P.I.

42590. Opyt nye Dannyye Po Tselootdache Samoletnykh Elektromashin. Trudy Leningr. Krasnoznam. Voen.-Vozdush. Inzh. Akad, Vyp. 20 1948, S. 110-32. Bibliogr; 8 Nazv

SAZANOV, S.

SAZANOV, S. Cottonization of bast fibers.

Vol. 4, No. 7, July 1955

TEKSTIL

SO: Monthly List of East European ~~Accessions~~. (REAL), Vol. 5, No. 3
march, 1956

SAZANOV, S.A.

AUTHOR: Dvorin, S.S.

SOV/68-59-1-16/26

TITLE: Conference on the Widening of Resources of Coking Coals in the Kuznetskiy Basin (Soveshchaniye po rasshireniyu syr'yevoy ugol'noy bazy koksovaniya v Kuznetskom basseyne)

PERIODICAL: Koks i Khimiya, 1959, Nr 1, pp 56 - 60 (USSR)

ABSTRACT: The conference took place in the town of Kemerovo, on June 12 - 13, 1958 and was organized by the metallurgical and coking sections of the Technical-economic Council of the Kemerovo Sovnarkhoz and by the coal group of the GNTK Soveta Ministrov RSFSR (State Scientific-technical Committee of the Council of Ministers of the RSFSR). Chief engineer of the "Kuzbassugol", N.I. Lindenau, reported on the perspective of winning coking coals from the Kuznetskiy Basin during 1959-1965. The total deliveries of coking coals from the Kuznetskiy Basin should increase from 25.1 million tons in 1958 to 42 million tons in 1965. In order to obtain the above output in 1959-1965, the following measures are planned: sinking of 26 new shafts of an output capacity of 37.6 million tons, starting operation in 22 new shafts of a capacity of 34.1 million tons, reconstruction of 21 shafts of a capacity of 25.9 million tons, construction of 18 coal washeries of a capacity of

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Conference on the Widening of Resources of Coking Coals in the
Kuznetskiy Basin

50 million tons/year, starting operation during 1959-1965 in 12 coal washeries of a capacity of 33.6 million tons/year. He also gave qualitative characteristics of coking coals from regions under development.

S.A. Sazancv (Gosplan) (RSFSR) read a paper "The Development of the Iron and Steel Industry in the East and Requirements of the Iron and Steel Works for Coking Coals during the Next 7 Years", in which he pointed out the possibility of utilising weakly caking coals which can solve all the difficulties in securing requirements of the industry. He considers that of all the new methods of coal preparation which can be effectively utilised in the near future, the preferential crushing in conjunction with stamp charging is the only one. He considers that by this method about 9 million tons of coke can be produced.

I.V. Gebler communicated on the work carried out in the Tomskiy politekhnicheskii institut (Tomsk Polytechnical Institute) on coking of blends with a high content of Kuznetskiy gas coals with additions of finely crushed coke breeze. It was established that an addition of 5% of coke increases bulk density of blends on average by 5%. With a

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Conference on the Widening of Resources of Coking Coals in the Kuznetskiy Basin

5% of coke additions up to 60% of gas coals can be incorporated without any decrease in the coke quality. 2. Coke should be crushed to pass screens with 500 mesh/cm². In addition heat requirements for coking are decreased. M.Uy. Grigor'yev (Kemerovo Mining Institute) communicated on possible methods of increasing coking coal resources from the Kuznetskiy Basin. Namely, shortage of coals Zh and K can be replaced by coals G, K₂, OS and SS without decreasing coke quality by application of some new methods of preparation of blends which are at present under investigation. The most promising method is that of IGI AN SSSR. Other methods are: petrographic beneficiation by preferential crushing and further beneficiation to a sp.g 1.35-1.40; blending of thermally treated coals 30-35% addition of thermally treated gas coals can replace 15-20% of K and Zh coals.

G.N. Makarov (Moskovskiy khimiko-tekhnologicheskii institut im. D.I. Mendeleeva - Moscow Institute of Chemical Technology imeni D.I. Mendeleev) in a paper "The Enlargement of Resources of Coking Coals by Using in Blends Preliminary Heat-treated Gas Coals" reported on trials of charging

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Conference on the Widening of Resources of Coking Coals in the
Kuznetskiy Basin

pre-heated blends into ovens (Koks i Khimiya, 1957, Nr 4).
N.I. Gryaznov (VUKhIN) in a paper "An Increase in the
Utilisation of Gas Coals by Their Rational Preparation"
reported on the work of the institute on preferential
crushing (Koks i Khimiya, 1956, Nr 8, 1957, Nr 4 and
1958, Nrs 2 and 3). He pointed out that on preferential
crushing, a large amount of non-caking grains is too
finely crushed which sharply decreases their caking ability.
Combination of preferential crushing with stamp charging
is very promising as the influence of negative factors of
each method is compensated.
VUKhIN developed a method of utilising coarsely ground gas
coals in coal blends. If a finely crushed coal blend by
itself has sufficient caking ability, then coarsely ground
gas coals can be added without decreasing the quality of
coke. Additions of coarse grained gas coal decrease the
proportion of dust in the blend and increase its bulk
density. An increase in the bulk density can be also
obtained by drying of coal.
I.I. Amosov (IGI AN SSSR) reported on "Blending of Coals
For Coking According to Their Petrographic Composition"

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Conference on the Widening of Resources of Coking Coals in the Kuznetskiy Basin

(Koks i Khimiya, 1957, Nr 12).

I.I. Yurenkov (VNIIGleobogashcheniye) in a paper "Enlargement of the Resources of Coals for Coking by the Utilisation of Gas and Weakly Caking Coals in Blends" considered that the most efficient method of utilising such coals is preferential crushing. The other methods considered are: the production of ferro-coke (briquettes) and additions of coal-tar pitch, briquetting and subsequent coking.

A.P. Dubrovin (Tsentrorgiproshakht) in a paper "Perspective of Coal Beneficiation in the Kuznetskiy Basin for the Next 7 Years" reported that the development of coal beneficiation lags behind coal winning. Ash content of coals sent for coking increased by 0.5% in comparison with 1953, and the ash content of coal sent to washeries increased from 11% in 1953 to 31.1% in 1957; correspondingly, the yield of concentrates decreased from 91.1% to 83%. In view of increasing ash content in coals, the yield of concentrates in 1965 will decrease to 78%. A brief outline of planned construction of coal washeries is given (15 new washeries of total output of 23.4 million t/year; in 1966, 43 washeries

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with a total output of 51.1 million t/year should be in operation). Further developments in the Kuznetskiy Basin are in regions which contain mainly high ash and difficult-to-beneficiate coals. In the existing mines also some increase in the ash and moisture content is expected.

Therefore, in new coal beneficiation plants, only wet treatment methods without preliminary separation into size fractions should be considered.

K.K. Kollodiy (Kuzbassugleobogashcheniye Trust) reported on methods of increasing the efficiency of coal beneficiation processes in existing coal beneficiation works in the Kuznetskiy Basin. Of 28 operating washeries, 21 are operating with the pneumatic method, 4 by a combination of pneumatic and wet process and 3 by wet method. During the last 5 years, the ash content of coals has increased by 2.1% and that of concentrates by 0.4%. In order to decrease the ash content in concentrates, secondary wet treatment of pneumatically cleaned coals was introduced on some plants. This decreased the ash content by 0.3% and increased the yield of concentrates by

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Conference on the Widening of Resources of Coking Coals in the
Kuznetskiy Basin

1.5-2.5%. A cascade scheme of beneficiation was developed on pneumatically operating plants consisting of the fact that not individual-size fractions 6-10, 13-50 mm are treated in pneumatic separators USh-3 but 0-50 mm fraction. For jigging dust-containing coals 10-0 mm a synthetic bedding layer from heavy rubber was developed instead of felspar which was found to be very efficient.

A.A. Lukanin (VUKhIN) in a paper "A Decrease in the Consumption of Coals K and K₁ on the Kuznetskiy Metallurgical

Combine by Incorporating Into Blends Gas Coals" pointed out that coke ovens in the Urals and Siberia are designed for a standardised heating condition calculated for a coking period of 13-14 hours instead of 17 hours. Temperatures in the control flues 1 390 - 1 410 °C. With increasing proportion of high-shrinkage coals, the quality of coke deteriorates. An increase in the coking period is impossible due to a shortage of coking capacity. Experimental work on coking indicated that it is possible to decrease the proportion of K coals but for this purpose, the existing technology of coal preparation and

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SOV/68-59-1-16/26

Conference on the Widening of Resources of Coking Coals in the
Kuznetskiy Basin

coking conditions should be modified. For this purpose,
the development of an appropriate plant is necessary
(no details).

ASSOCIATION: SOPS AN SSSR

Card 8/8

SAZANOV, V. I.

Rye

Experimental cultivation of a variety of Winter rye for Kuibyshev Province.
Dokl. Ak. sel'skhoz. No. 5, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, August 1952. UNCLASSIFIED.

SAZANOV V. I.

COUNTRY : USSR

M-6

CATEGORY :

ABST. JOUR. : RZBiol., No. 77, 1958, No. 87117

AUTHOR : Sazanov, V. I.; Yel'chaninova, M. N.
 INST. : All-Union Academy of Agricultural Sciences*
 TITLE : Some Problems of the Biology of Sudangrass.

ORIG. PUB. : Dokl. VASKHNIL, 1957, No 12, 9-3

ABSTRACT : On studying the biological characteristics of sudangrass at the Kuybyshev Agricultural Institute, it was ascertained that its root system penetrates the soil to a depth of 175 cm, and the amount of root residues in the tillage layer reaches 35-45 centners/hectare. At the beginning of October the sudangrass sod contained 6.2% of water resistant aggregates exceeding in size 0.25 mm; the corresponding values being 2.7% for foxtail millet, 8.2% for first year alfalfa, and 17.4% for second year alfalfa. The presence of both bisexual and male flowers on sudangrass increases the amount and variety of pollen and promotes vigorous offspring. Germination of seeds formed

CARD:1/2

* Imeni Lenin.

Country : USSR

CATEGORY :

ABST. JOUR. : RZBiol., No. 19, 1959, No. 27117

ABSTORF :

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT : on different stalks is not equal. After storage of the seeds for 15 years the laboratory and field germination was decreased by 13%; after 5 years it was decreased by 5 and 2%, respectively.-- Ye. A. Okorokova.

CARD: 2/2

SORT: 1959
 CATEGORY : Cultivated Plants. Fodder Grasses and Roots. M
 ES. JOUR. : ZHURNAL, No. 1, 1959, No.1715
 AUTHOR : Pazarov, V.I.; Yel'chaninova, N.K.
 INST. : Agricultural Engineering of Sudan Grass in the Kuzbyshevskaya Oblast
 REG. PUB. : Zhenitskiy, 1958, No.3, 76-77
 SUMMARY : Results of the study, carried out by the Kuzbyshev agricultural institute and the Kineleski selection station during the years of 1951-1956, on the agricultural engineering of Sudan grass cultivation are presented. Tested were Kineleskaya 90, Omskaya 25 and Brodskaya 2 varieties. Data on the crops of hay and seeds is presented. Given are recommendations on pre-spring treatment of seeds, dates and sowing procedures, application of fertilizers, and the reaping of Sudan grass for hay and seeds.

END:

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SAZANOV, V.I.; SERGEYEVA, A.G.

Effect of alfalfa and sainfoin on the availability of phosphorus
in irrigated Chernozems [with summary in English]. Pochvovedenie
no.5:99-101 My '58. (MIRA 11:6)

1.Kuybyshevskiy sel'skokhozyaystvennyy institut.
(Phosphorus) (Chernozem soils)

SAZANOV, V.I., doktor sel'skokhozyaystvennykh nauk; YEL'CHANINOVA, H.H.

Sudan grass cultivation in Kuybyshev Province. Zemledelie 6 no.3:73-77
Mr '58. (MIRA 11:4)

(Kuybyshev Province--Sudan grass)

SAZANOV, V.I.; FOMIN, G.V.

Organogenesis in corn and selection of pairs for hybridization.
Nauch. dokl. vys. shkoly; biol. nauki no. 1:189-194 '61.
(MIRA 14:2)

1. Rekomendovana kafedroy selektsii i semenovodstva Kuybyshevskogo
sel'skokhozyaystvennogo instituta.
(CORN BREEDING)

SAZANOV, Viktor Ivanovich, prof., doktor sel'khoz.nauk; GOLOVNEV, A.A.,
spets. red.; OZEROV, V.N., red.; GUREVICH, M.M., tekhn. red.

[Agricultural experimentation in plant growing and the methods
used] Sel'skokhoziaistvennoe opytное delo v rastenievodstve i
ego metodika. Moskva, Sel'khozizdat, 1962. 111 p.
(MIRA 16:2)

(Field experiments)

SAZANOV, V.I.; GLUKHOVTSEV, V.V.

Organogenesis of double cross corn hybrids VIR-25 and VIR-42
and their parental forms. Nauch. dokl. vys. shkoly; biol.
nauki no.1:173-177 '62. (MIRA 15:3)

1. Rekomendovana kafedroy selektsii Kuybyshevskogo sel'skokhoz-
yaystvennogo instituta.

(CORN (MAIZE))
(HYBRIDIZATION, VEGETABLE)

ACC NR: AP7004722 (N) SOURCE CODE: UR/0413/67/000/001/006/007

INVENTOR: Murasov, A. Sh.; Karpiles, I. I.; Sidekhmenov, V. K.; Sazanov, V. M.

ORG: None

TITLE: A method for making thin-walled tubular parts. Class 7, No. 189792

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 6-7

TOPIC TAGS: thin shell structure, pipe

ABSTRACT: This Author's Certificate introduces a method for using a filler to make thin-walled tubular components. A compensation cavity which may be tapered is formed in the center of the filler material for tightly packing the recess inside the finished component and improving the quality of the resultant product.

SUB CODE: 13/ SUBM DATE: 26Oct64

Card 1/1

UDC: 621.983.3-462

GANAGO, F.M., kand. med. nauk; Prinsipalni uchastiye: ALEKSEYEVA, R.M.,
vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk);
BABINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach
(Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA,
K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk);
SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach
(Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA,
N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan);
NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest);
PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach
(Orenburg); RASSOSHNYKH, G.F., vrach (Perm'); SAZANOVA, V.V.,
vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents
in foci of tuberculous infection. Probl. tub. 42 no.1:6-11
'64. (MIRA 17:8)

1. Detskoye otdeleniye (zav. F.M. Ganago) Sverdlovskogo insti-
tuta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

MITIN, Yu.V.; SAZANOV, Yu.N.; VLASOV, G.P.; KOTON, M.M.

Polymerization of dialdehydes. Vysokom.soed. 2 no.5:716-718;
My '60. (Aldehydes) (Polymers) (MIRA 13:8)

NIKITIN, I.N.; SAZANOV, Yu.I.

For exemplary veterinary hygienic conditions on livestock farms.
(MIRA 18:6)
Veterinariia 41 no.4:8-9 Apr '65.

1. Veterinarnyy otdel Irkutskogo oblastnogo upravleniya sel'skogo
khozyaystva.

BASMANOVA, Ye.A.; SAZANOVA, A.M.

Sulfite cellulose made of sawdust. Bum. prom. 36 no.10:17
0 '61. (MIRA 15:1)

1. Okulovskiy kombinat.
(Cellulose)

SAZANOVA, G.I.

Rationalization in chemical purification of water. A. M. Mogilko and G. I. Sazanova (Sugar Refinery, Krasnozvezdinsk). *Sakharnaya Prom.* 28, No. 3, 21-3, 26(1954).—Description of several mech. modifications made at Krasnozvezdinskii Sugar Refinery which improved purification process of boiler water. V. E. Balkov

Sazanova, L. V.

Cand Biolog Sci

Dissertation: "Investigation of the Biological Development of Mustards and Other
Oil-Bearing Cruciferae in Connection with Acclimatization of
Mustard in the North."

4 April 49

Moscow State Pedagogical Inst imeni V. I. Lenin

SO Vecheryaya Moskva
Sum 71

SAZANOVA, L.V.

The organization of research in the history of agricultural sciences. Vop. ist.est. i tekhn. no.1:314-316 '56. (MLRA 9:10)

(Agriculture--History)

SAZANOVA, L.V.

A valuable contribution to the history of Russian botany ("Outstanding Russian botanists" by N.A.Bazilevskaja and others. Reviewed by L.V.Sazanova). Biul.Glav.bot.sada no.36:112 '60. (MIRA 13:7)

1. Institut istorii yestestvoznaniya i tekhniki Akademii nauk SSSR.
(Botanists, Russian)

SAZANOV, L.V.

Significance of A.Humboldt's work in developing the scientific foundation of plant acclimatization. Biul.Glav.bot.sada no.37: 125-129 '60. (MIRA 13:11)

1. Institut istorii yestestvoznaniya i tekhniki Akademii nauk SSSR.

(Humboldt, Alexander, 1769-1859) (Acclimatization (Plants))

SAZANOVA, M.

All-Union scientific conference on landscape architecture.
Izv. AN Turk. SSR. Ser. biol. nauk no.1:86-87 '62. (MIRA 15:3)

1. Botanicheskiy sad AN Turkmenskoy SSR.
(LANDSCAPE ARCHITECTURE--CONGRESSES)

TREUSHNIKOV, A., inzh. ekspluatatsii vodnogo transporta;
SAZANOVA, M., inzh. ekspluatatsii vodnogo transporta;
MAMONOV, N., inzh. ekspluatatsii vodnogo transporta;
SERGEYEV, R., inzh. ekspluatatsii vodnogo transporta

Correct formulation of the problem. Rech. transp. 22 no.4:42
Ap '63. (MIRA 16:4)

(Inland water transportation--Employees)

S/137/62/000/010/006/028
A052/A101

AUTHORS: Afanas'yev, I. D., Dobkin, I. Ye., Sazanova, M. N., Soltan, S. G.,
Garzanov, G. Ye., Tokar', I. K., Chamin, I. A., Belosevich, V. K.,
Pavlov, I. M.

TITLE: The effect of substances with a lower surface tension in the
composition of synthetic lubricants on the cold rolling of
thin metal strips

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1962, 8,
abstract 10D46 ("Novosti neft. i gaz. tekhn. Neftepererabotka i
neftekhimiya", no. 4, 1962, 23 - 27)

TEXT: The data on the effect of various technological lubricants on the
cold rolling of strips on a two- and four-high mill are cited. Synthetic greases,
- esters of saturated synthetic fatty acids, - reduce the friction and the re-
sistance of metal to deformation at rolling of carbon steel and Ti (BT-1-T)
(VT-1-T) strips more effectively than animal fat, palm oil, mineral oils etc.
Synthetic lubricants, due to their low costs and good lubricating quality, should

Card 1/2

S/137/62/000/010/006/028

The effect of substances with a lower surface tension..A052/A101

be recommended for an extensive testing on cold rolling mills.

N. Yudina

[Abstracter's note: Complete translation]

Card 2/2

SAZANOVA, N.D.

2455

RELATION BETWEEN CREEP AND RELAXATION OF STRESSES IN METALS. J. A. Osing, O. V. Borokhin, and N. D. Boranova. Translated from Doklady Akad. Nauk SSSR 233: 8 (1953). 4p. (NSP 1r-153)

Creep and relaxation curves were calculated on the basis of elastic and plastic deformation, time, and stress at a given temperature. Creep and relaxation tests were conducted on samples of Cr-Ni austenitic steel subjected to 3 different processes of heat treatment to verify theoretical results. (J.A.G.)

gyp
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SAZANOVA, N.D.
MEKHED, G.N.; SAZANOVA, N.D.

New engineering materials. Biul.tekh.-ekon.inform. no.6:81-85
'61. (MIRA 14:6)
(Materials)

FUNTIKOVA, K.M.; SAZONOVA, P.A.; BEGEL'FER, K.I.

Rapid determination of iron oxides and aluminum in sand. Stek.
i ker. 20 no.10:40-41 0 '63. (MIRA 16:10)

(Sand, Glass--Analysis) (Iron oxides--Analysis)
(Aluminum--Analysis)

SAZANOVA, R. N.
USSR/ Scientists - Chemistry

Card 1/1 Pub. 123 - 4/16

Authors : Polyakov, P. P.; Sazanova, R. N.; and Shabanov, I. M.

Title : Mikhail Ivanovich Goryaev

Periodical : Vest. AN Kaz. SSR 12, 39-41, Dec 1954

Abstract : Eulogy is presented honoring the 50-th birthday and 25-th anniversary of active scientific work of Prof. Chemist Mikhail Ivanovich Goryaev, vice-president of the Academy of Sciences, Kaz-SSR.

Institution :

Submitted :

SAZANOVA S K.

300/1700

PHASE I BOOK EXPLANATION

24(7)

L'vov, Universitet

Materialy X Vsesoyuznogo sveshchaniya po spektroskopii, 1956.
t. II: Atomnaya spektroskopiya (Materials of the 10th All-Union
Conference on Spectroscopy, 1956. Vol. 2: Atomic Spectroscopy)
Moscow: Nauka, 1958. 568 p. (Series: Ita;
Vycheskiy sbornik, vyp. 4(5)). 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po
spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Resp. Ed.);
B.S. Reporent, Doctor of Physical and Mathematical Sciences;
I.L. Pabellinskiy, Doctor of Physical and Mathematical Sciences;
V.A. Pavlikant, Doctor of Physical and Mathematical Sciences;
V.G. Koritskiy, Candidate of Technical Sciences, S. M. Rayvskiy,
Candidate of Physical and Mathematical Sciences, I. Klimovskaya,
Candidate of Physical and Mathematical Sciences, V.S. Milyanchuk
(deceased), Doctor of Physical and Mathematical Sciences; A.Ya.
Glauberman, Doctor of Physical and Mathematical Sciences;
M.I. S.E. Gaser, Tech. Ed.; T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in
the field of spectroscopy, as well as for technical personnel
using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies
of atomic spectroscopy presented at the 10th All-Union Confer-
ence on Spectroscopy in 1956. The studies were carried out by
members of scientific and technical institutes and include
extensive bibliographies of Soviet and other sources. The
studies cover many phases of spectroscopy: spectra of rare earths,
electromagnetic radiation, physicochemical methods for controlling
uranium production, physics and technology of gas discharge,
optics and spectroscopy, abnormal dispersion in metal vapors, ore
spectroscopy and the combustion theory, spectrum analysis of
and minerals, photographic methods for quantitation of the
analysis of metals and alloys, spectral determination of the
hydrogen content of metals by means of isotopic tables, and
analysis of spectral lines, spark spectrographic analysis,
statistical study of variation in the plasma, methods of calibration
surveys, determination of traces of metals, spectrum analysis in
metallurgy, thermochemistry in metallurgy, and principles and
practice of spectrochemical analysis.

Card 2/31

Materials of the 10th All-Union Conference (Cont.)

300/1700

Karabash, A.G., Sh.I. Poyulayev, M.I. Shvachka, M.P.
Sotnikova, M.I. Smirnov-Averina, Z.M. Sazonova, L.S.
Kraus, G.O. Morozov, L.S. Kozlovich, I.I. Smirnikina,
V.M. Kigstova, S.M. Sazonova, M.L. Pogacheva, V.Y.
Masheva, Ye.P. Yopova, B.B. Gorbachev, P.A. Kostarova,
M.Z. Kostarova, A.I. Ryzhikova, and M.M. Kuznetsova.
Methods of Spectrochemical Analysis of Pure Metal for
Impurities

556

AVAILABLE: Library of Congress

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7-1-59

Card 31/31

SAZANOVA, S. K.

PART I BOOK EXPLANATION 807/444

Metody opredeleniya prikladnykh i obshchikh metallov (Methods of Determining Applied and General Metals) Moscow, 1960. 311 p. (Series: Iten Trudy, 12) 3,500 copies printed.

Resp. Ed.: A.P. Vinogradov, Academician, and D.I. Rybolov, Doctor of Chemical Sciences, M. of Publishing House: M.P. Volynskiy, Tech. Ed.: T.V. Polyakova.

PURPOSE: This collection of articles is intended for chemists, metallurgists, and engineers.

CONTENTS: The articles describe methods for detecting and determining various elements and their traces in pure metals. Also discussed are many chemical, spectrochemical, electrochemical, spectrochemical, and luminescence methods of analyzing materials of high purity. The editors state that these methods have been developed within the last five or six years by various Soviet scientific institutes, and are now widely used in research and factory laboratories of the Soviet Union. No personalities are mentioned. References, mostly Soviet, accompany each article.

Books, A.O., Dn. I. Priblady, O.G. Kozlov, and I.I. Serebrennikov. Spectrophotometric Method of Determining Aluminum in Metallic Ceramics and Ceramics Based on Cerium Oxide. 89

Books, A.K., and T.Ye. Gilyam. Spectroscopic Detection of Small Quantities of Nitrogen in Metallic Ceramics. 96

Books, A.K., and N.G. Krasovskiy. Determination of Nitrogen Microstructures in Metallic Ceramics. 108

Books, A.K., A.L. Golov, and O.Y. Dzhilo. Determination of Small Quantities of Oxygen in Metallic Ceramics. 115

Books, Dn. G., A.K. Pustoy, and M.O. Zaslavskiy. Determination of Vanadium in Metallic Ceramics. 121

Books, Dn. G., A.A. Tikhonov, and I.A. Zaslavskiy. Determination of Arsenic in Metallic Ceramics. 127

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Books, Dn. G., A.A. Tikhonov, and I.A. Zaslavskiy. Determination of Arsenic in Metallic Ceramics. 171

Books, Dn. G., A.A. Tikhonov, and I.A. Zaslavskiy. Determination of Arsenic in Metallic Ceramics. 175

Books, Dn. G., A.A. Tikhonov, and I.A. Zaslavskiy. Determination of Arsenic in Metallic Ceramics. 179

RABKINA, S.A.; SAZANOVA, V.D.; TSAUZNER, G.M.

Some problems in the epidemiology and prevention of poliomyelitis in
Cheliabinsk. Vop.virus. 4 no.4:443-445 J1-Ag '59. (MIRA 12:12)

1. Chelyabinskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.
(POLIOMYELITIS, prevention & control)

KARABASH, A.G.; PRYZULAYEV, Sh.I.; SLYUSAREVA, R.L.; SOTNIKOVA, N.P.;
SMIRNOVA-AVERINA, N.I.; SAMSONOVA, Z.N.; KHAUZ, L.S.; MOROZOVA, G.G.;
ROMANOVICH, L.S.; SMIRENKINA, I.I.; LIPATOVA, V.M.; SAZANOVA, S.K.;
PUGACHEVA, L.I.; USACHEVA, V.P.; VORONOVA, Ye.F.; GORBACHEV, P.D.;
KOSTAREVA, F.A.; KOSTAREVA, N.T.; YELOVATSKAYA, A.I.; KUZNETSOVA, N.N.

Spectrochemical analysis of pure metals for impurities. Fiz.
sbor. no.4:556-562 '58. (MIRA 12:5)
(Spectrochemistry)

LAVERISHNEV, Aleksandr Vasil'ich; 1940-1941. Geogr. M. P. 1
GEORGAEV, I. N., red. BAZANOVICH, N. K., red. PAPASOVA,
T. K., ed. red. SHCHERBINA, T. S., ed. red.

[Economi.: geography of the U.S.S.R.; general part, geography
of industry, agriculture, and transportation] Ekonomicheska-
skaia geografiia SSSR: obshchaya chast', geografika promysh-
lennosti, sel'skogo khozaystva i transporta. Moskva, Fak-
tomika, 1965. 204 p. (MIRA 18:11)

BERRI, L.Ya., doktor ekon. nauk; KLIMENKO, K.I., doktor ekon. nauk; OBLONSKIY, Ya.A., kand. ekon. nauk; SAVINSKIY, E.S., kand. ekon. nauk; KHEYNMAN, S.A., doktor ekon. nauk, red.; MOSKVIN, D.D., kand. ekon. nauk, nauchn. red.; ORLOV, N.A., prof., red.; SAZANOVICH, N.K., mlad. red.; SIMKINA, G.S., mlad. red.
[U.S.A. industry in 1929-1963; technical and economic trends and structural changes] Promyshlennost' SShA v 1929-1963 gg., tekhniko-ekonomicheskie tendentsii i strukturnye sdvigi. [By] L.IA.Berri i dr. Moskva, Ekonomika, 1965. 406 p.
(MIRA 18:5)

KISTANOV, Viktor Vasil'yevich; SAZANOVICH, N.K., red.; SLUTSKINA,
TS.S., mlad. red.

[Comprehensive development and specialization of the
economy of economic regions] Kompleksnoe razvitie i
spetsializatsiia khoziaistva ekonomicheskikh raionov.
Moskva, Ekonomika, 1965. 189 p. (MIRA 18:9)

ANDREYEV, B.I.; VORONTOVA, A.N.; DANILOV, A.D.; KISTANOV, V.V.;
KOSTENNIKOV, V.M.; KUSHNER, A.I.; LEDOVSKIY, S.I.;
LESNOV, M.F.; MALINOVSKIY, E.P.; MOSHKOVA, N.V.; MUKHIN,
G.I.; PASHKEVICH, V.I.; RZHEVUSKAYA, D.M.; SAVCHENKO, N.A.;
SKOBEYEV, D.A. [deceased]; LISOV, V.Ye., red.;
SAZANOVICH, N.K., red.

[Economic regions of the U.S.S.R.] Ekonomicheskie raiony
SSSR. Moskva, Ekonomika, 1965. 589 p. (MIRA 18:6)

1. Moscow. Institut narodnogo khozyaystva. 2. Kafedra
ekonomicheskoy geografii Moskovskogo instituta narodnogo
khozyaystva im. G.V.Plekhanova (for all except Lisov,
Sazanovich).

1. SAZANOVICH, P.
2. USSR (600)
4. French Newspapers
7. Again they recall the old Russia, again they vent their rage, Rus.put' 2no.1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

NEKLYUDOV, A., komandir korablya Tu-124; SAZANOVICH, V., vtoroy pilot;
SHEVERDOV, Yu., bortmekhanik; AKIMOV, A., bortinzhener;
OVSYANNIKOV, V., bortradist

Increase the economy of each flight. Grazhd. av. 22 no.3:8
Mr '65. (MIRA 18:7)

SAZANSKIY, Ya.

Classification of the expenditure of working time in agriculture.
Sots. trud 6 no. 1:108-111 Ja '61. (MIRA 14:1)
(Voskresenskiy District--Farm mechanization--Production standards)

SAZANSKIY, Yakov Ignat'yevich; KALASHNIKOVA, V.S., red.; GUREVICH,
M.M., tekhn. red.

[Establishing work norms and wages on livestock farms] Normirovanie i oplata truda v zhivotnovodstve. Moskva, Sel'khozgiz, 1959. 103 p. (MIRA 15:7)

1. Predsedatel' kholkhoza "Krasnoye znarye" Voskresenskogo rayona Saratovskoy oblasti (for Sazanskiy).
(Saratov Province--Stock and stockbreeding--Production standards)
(Saratov Province--Wages--Stock and stockbreeding)

SAZANSKIY, Yakov Ignat'yevich; TOLYPINA, O.N., red.; GERASIMOVA,
Ye.S., tekhn. red.

[Establishment of work norms in agriculture] Normirovanie
truda v sel'skom khoziaistve. Moskva, Ekonomika, 1964.
167 p. (MIRA 17:2)

SHONIN, I. (g. Chelyabinsk); LIKHOVIDOV, I., frezerovshchik (g. Ozhatsk);
BERCHENKO, Ye., master; GORBACHEV, S., tekhnolog; PONOMAREV, V.;
GORYUSHIN, A., kompressorshchik (g. Moskva); SAZANTSEV, A., inzh.
-gidrotekhnik (g. Kemerovo); MUROMTSEVA, L., inzh. (g. Volgograd)

Suggested, achieved, introduced. Izobr. i rats. no. 12:22-23 D '61.
(MIRA 14:12)

1. Moskovskiy zavod po remontu ekskavatorov (for Borchenko,
Gorbachev). 2. Zamestitel' nachal'nika proizvodstvennogo otdela
kombinata Cherepovetsles (for Ponomarev).
(Technological innovations)

SAZAR, M.A.

Liquid spray cooling in gear cutting. Avt. i trakt. prom. no. 8:34-35
Ag '56. (MIRA 9:10)

1. Nauchno-issledovatel'skiy institut transports.
(Gear cutting)

Investigation of new tool steels for tooth-cutting ... S/792/62/000/000/003/004

resistant. R18F2M is similar to R18 in composition, but contains 2% more V. All of the new steels are harder at 550-650°C than R18. 2. Ingot preparation and preparation of tool: The chemical composition of the new steels is shown in a full-page table. The ingots were tempered by (1) heating to 880°C, (2) 4-hr soaking, (3) cooling to 750°C at 20°C/hr, (4) 4-hr soaking, (5) cooling to 500°C at 20°C/hr, (6) open-air cooling. H_B after tempering: 207-255. Details of the forging and subsequent heat-treatment procedure are given for each steel, including fissuring, hardness-non-uniformity, and carbide-liquation problems. 3. Toolmaking up to heat treatment: The grinding processes employed to prepare the cutting surfaces and edges are described. R9K5, R9K10, and R24 were ground with ordinary disks and did not present any special problems. A number of grinding methods were tested on R9F5 (itemized), but none was successful. 4. Heat Treatment of Tools: The heat treatments applied to cutting blades and worm-type multi-thread milling heads are itemized separately and are summarized in a full-page and a smaller table for the blade group and 2 full-page tables for the worm group. 5. Finishing operations after heat treatment: Finishing was done by the ordinary ZIL technique, except that more grinding passes were required, since the grinding allowance had been increased to ensure removal of any possibly formed decarburized surface layer. Grinding troubles were encountered again with the R9F5 steel (details reported); no solution found. 6. Endurance tests with new steels in gear-cutting and gear-shaving operations. Tests performed at the Moscow automotive plant imeni Likhachev with gear-cutting

Card 2/3

Investigation of new tool steels for tooth-cutting ... S/792/62/000/000/003/004

heads are graphically summarized against cutting speed and wear. For a given endurance of 500 min, the new R9K10 steel permits a 30% increase in cutting speed as compared with R18 steel; at a cutting speed of 40 m/min the endurance of R9K10 is 920 min as against 420 min with R18, i. e., almost 100% greater (Abstracter's note: A graph shows the endurance of R18 at 40 m/min to be 480 min, which accords better with the "almost 100%" statement). The laboratory tests with two- and three- thread milling heads, followed by mass-production service tests, indicated an endurance of R9K10 50 to 80% better than that of R18 (details shown in 4 pages of graphs). Additional endurance tests for long-term impact-free cutting were performed on a lathe (results summarized at the bottom of card 1/3 of this Abstract). The tests confirmed the overall superiority of R9K10 and its satisfactory operation in cutting materials of varying hardness and chemical composition and in the presence of impact loads. Broad production tests are currently being conducted on production batches of R9K10, R 24, and R9F5 high-speed steels produced by the "Elektrostal" plant. There are 18 figures and 7 tables; no references.

ASSOCIATION: None given.

Card 3/3

SAZAR, M.A.,

Introducing new brands of rapid steels in the automobile industry.
Avt.prom. 29 no.1:31-32 Ja '63. (MIRA 16:1)

1. Nauchno-issledovatel'skiy tekhnologicheskii institut
avtomobil'noy promyshlennosti.
(Automobile industry) (Tool steel)

SAZAREV, A.N.; VORONKOV, M.G.

Vibration spectra of alkoxyasilanes and siloxanes. Part 1: Infrared
spectra of orthosilicic acid esters. Opt. i spektr. 4 no.2:180-188
F '58. (MIRA 11:4)

1. Institut khimii silikatov AN SSSR.
(Silicic acid--Spectra)
(Carbonic acid--Spectra)

SAZAVSKY, K.

SAZAVSKY, K., MUDr; LUKASOVA, M. Ph Dr

Proposal for unified terminology in anesthesiology. Cas.lek.cesk.
91 no.20:602 16 May 52.

(ANESTHESIOLOGY,

in Czech., unified nomenclature)

(NOMENCLATURE,

anesthesiol., proposal for unification in Czech.)

SAZAVSKY, K.; MACKU, M.

Increase of blood pressure during and following surgery; preliminary communication. Lek. listy, Brno 8 no.3-4:79-82 1 Feb 1953. (CLML 24:3)

1. Of the Surgical Hospital MUNZ (Head--Karel Sazavsky, M.D.) in Brno.

SAZAVSKY, KAREL
SURNAME, Given Name:

3

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Hybes Surgical Hospital (Hybesova Chirurgicka nemocnice) Chief Dr K.
SAZAVSKY; Brno

Source: Prague, Prakticky Lekar, Vol 41, No 15-16, Aug 21, 1961; pp 715-717

Data: "Role of Sudek's Syndrome in the Determination of Temporary Occupational Disability"

SAZAVSKY, Karel,
MACKU, Marie

GPO 98154
GPO 98164

SAZAVSKY, K.; MACKU, M.

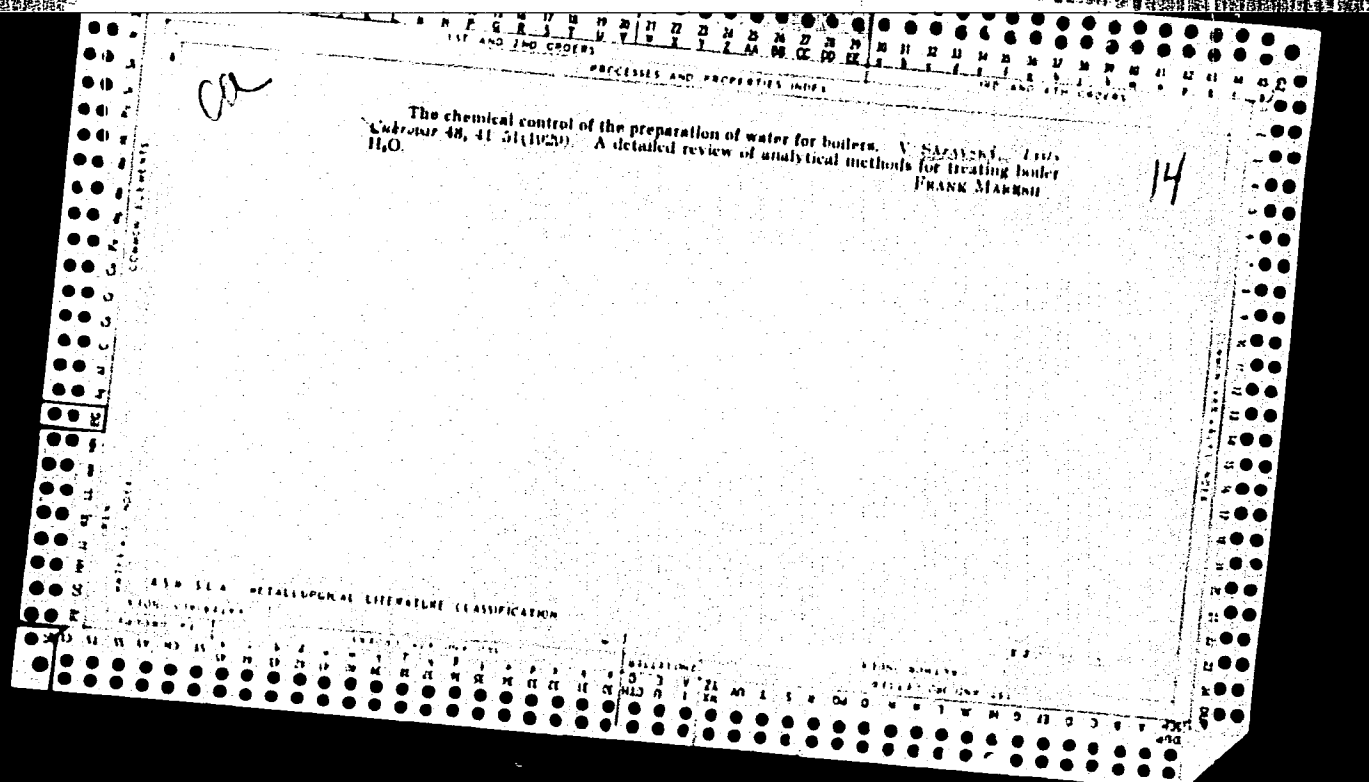
An apparatus for radiomanometry. Rozhl. chir. 41 no.12:813-816 D '62.

1. Hybesova chirurgicka nemocnice v Brne, prednosta MUDr. K. Sazavsky.
(CHOLANGIOGRAPHY) (RADIOMETRY)

SAZAVSKY, K.

Importance of radiomanometry for the prevention of complications following cholecystectomy. Rozhl. chir. 43 no.8:514-521 Ag '64.

1. Hybesova nemocnice v Brne (vedouci MUDr. K. Sazavsky, CSc.).



co

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powdered fuels in modern boilers. V. S. ZAYTSEV, Chem. Listy 24, 101-4 (1930).
The use of powd. fuels permits the design of highly efficient and high-pressure boilers.
For efficient functioning, the H_2O must undergo rigorous chem. control, which S. dis-
cusses in detail. FRANK MANESH

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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Heat balances in calciners. V. Šázavský. *Listy Cukrovar* 48, 510, 1950).

FRANK MARSH

CA 28

THE COMPUTATION OF YIELDS IN MILLS AND REFINERIES. V. SARAYEV, *Listy Chtetov*, 48, 536-42(1930).—Equations and computations of yields are given; they differ from the customary attack, but are simpler and still possess the same accuracy. The use of cond. measurements in these computations is discussed. FRANK MARSH

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

co

Piston and centrifugal pumps. V. Sazavik. Listy Cukrovar. 48, 621-4(1930).--
Mixing of liquors in a centrifugal pump for 5-10 min. has no effect upon the subsequent
filtration. Preference is given to centrifugal pumps in sugar mills. F. M.

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ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

SIGNATURE

SERIALS NO.

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REMARKS

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CA

1ST AND 2ND PRICES

PROCESSES AND PROPERTIES INDEX

Heat balances in a lime kiln. Jos. HAMOUS. *Listy Cukrovar.* 48, 1125 (1930).—A computation. V. SÁZAVSKÝ. *Ibid* 620; cf. C. A. 24, 4342.—A correction. F. MARKSH

AS-51A METALLURGICAL LITERATURE CLASSIFICATION

13th EDITION

1930-1939

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1950-1959

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1970-1979

1980-1989

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2000-2009

2010-2019

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PROCESSES AND PROPERTIES INDEX 12 Feeding experiments with fermented beet slices and dried slices containing lactic acid. K. PORTISIL AND V. SÁZAVSKÝ. <i>Listy Cukrovar.</i> 69, 33-9(1930).—During the feeding of dried beets, the food content of milk rose 1.63%. In changing from fermented to dried beets, the lactation and live wt. decreased 1.0%. On a diet of dried beets plus lactic acid the yield of milk was decreased 3.7-6% and the consumption of drinking water was decreased 20-30%. A decline in live wt. occurred in changing to 3.85 kg. dried beets; if 4.3 kg. dried beets was fed, the live wt. remained const.; if 0.6 kg. lactic acid was added to the 4.3 kg. dried beets, an increase in live wt. occurred. In general, the lactic acid had no effect upon lactation. Fermentation of wet beets destroys 33% of the beet and increases the transportation costs. The drying of beets decreases their food value 20%. By increasing the dry matter from 6 to 7%, it may become economically profitable to use dried beet slices in cattle feeding. F. M. ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																																																																																																			

BC

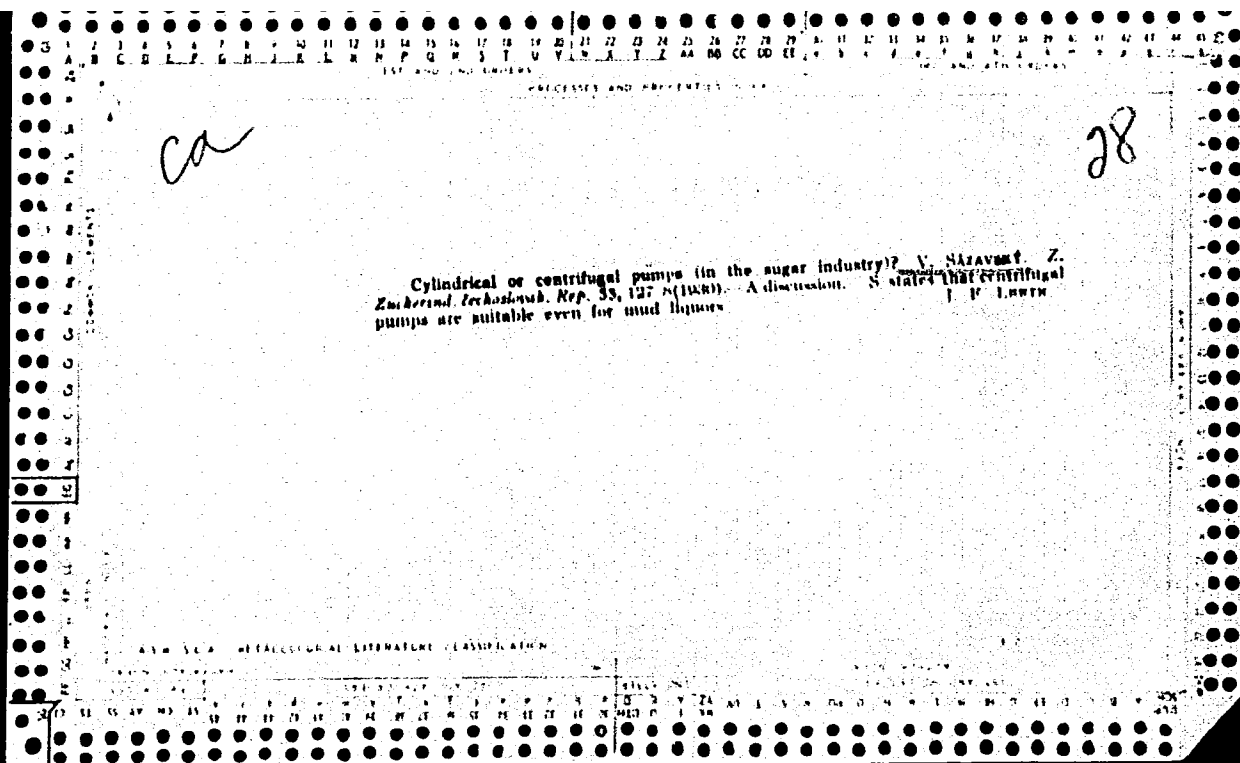
β-III-2

1ST AND 2ND GROUPS PROCESSES AND PROPERTIES INDEX

Calculation of production in raw metal factories and refineries. V. A. (1950) 108-110. A method of calculating the various products and by-products from the periodic inventory is given, this being as accurate as the usual procedure, but more direct. Attention is called to the value in such calculations of the ash coefficient as rapidly determined conductimetrically. J. P. OSILVIE.

ASR-5LA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



1ST AND 2ND CIPHERS										3RD AND 4TH CIPHERS									
PROCESSES AND PROPERTIES INDEX																			
BC										B-III-7									
Fodder experiments with soured and with dried beet slices with added lactic acid. K. Pospisil and V. Šárayek (Z. Zacharind. Czechoslov., 1931, 55, 390-394).—Cows fed with the dried beet slices to which lactic acid had been added failed to produce the same favourable effect on milk production which results from the customary use of soured slices. On changing over from soured slices to dried slices, besides a decrease of milk the live weight also diminished. On drying the slices the fodder value of the product is diminished by about 20%. J. P. OOLVER																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSING AND PROPERTIES INDEX																			
BC										B-III-2									
Digestibility of the protein scums obtained on defatting beet diffusion juice. V. SIZAVSKY, K. SAMKRA, and C. A. RŮŽIČKA (Z. Zuckerind. Czechoslov., 1931, 55, 416-419).—Samples of scums obtained by different methods of coagulating beet diffusion juice in laboratory and factory were found to contain as much as 12% of indigestible N compounds (raw proteins). J. P. OULVIN.																			
ASB-31A METALLURGICAL LITERATURE CLASSIFICATION																			
SYNONYM										SYNONYM									
SYNONYM										SYNONYM									

A new modification of the Sandera-Dolinek method for determining the "affining" numbers. V. SAZAVET. *Listy Cukrovar.* 50, 390-400(1932).—In a com. establishment 15 g. of raw sugar was used in a 90 cc. Dolinek pipet with an outflow of 60 sec. The Sandera formula became: $AN = S_1 V_2 / S_2 V_1$, where S_1 and S_2 were the saccharization nos. obtained with a Zeiss-immersion refractometer. The Zeiss refractometer permitted the use of small vols. of soln. In general sugars with a low "affining" no. refine better and produce a better product than those with high nos. The max. deviation between the modified and standard method was 0.03.

FRANK MARRINI

ALPHABETIC INDEX																									
A-Z													A-Z												
<i>CA</i> The contamination of channels with waste waters. V. NIKOLAYEV. <i>Lidly Cukrovor</i> No. 471-4(1932).—Specifications for reasonable limits of contamination of refuse waters for several industries are formulated. FRANK MARSH																									
ALPHABETIC INDEX 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26																									

6A

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A new modification of the Sanders-Dolinek method for rapid determination of the
"affination number." V SÁZAVSKÝ Z Zuckerind. Czechoslovak Rep. 56, 471-2
(1932).--See C. A. 26, 3074 FRANK MARESH

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
BC Report of the 8th International Congress on uniform methods of sugar analysis. V. HANSEN, V. SARAYEV, K. SANDHIA, and J. VONDALE (Z. Zuckerind. Technol., 1939, 57, 53-58).--It was recommended that the principal inversion methods for the determination of sucrose used in different countries should be compared, and the effect of ash on the Clerget divisor be studied. All polariscopic readings should be made at 20° to avoid temp. corrections altogether. Preference is given to the conductometric rather than the gravimetric method of determining ash, and whether a										B-III-2 conc. of 5 or 25 g. per 100 c.c. be used is optional, but the determination should be made at 20°. In the case of beet products with < 1.5% of ash, the conductometric determination is to be carried out without acid; but for the corresponding cane products the acid titration method should be applied. For the determination of reducing sugars 10 of the principal methods are to be compared. If defecation is applied prior to the determination of the reducing sugars, normal Pb(OAc)₂ should be used, and an excess afterwards eliminated by Na phosphate or K₂C₂O₄. Direct titration of SO₂ is pronounced satisfactory for routine sorting out, but where it gives higher results than the permissible limit the distillation method in CO₂ into H₂O₂, Br, or I, followed by the gravimetric pptn. of the SO₂, should be applied. It was recommended that further studies be made of the 100° point of the saccharimeter, of the error due to the vol. of the Pb ppt. in polarising raw sugars, of colorimetry as used in the sugar industry, and of the determination of raffinose. J. P. O.									
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
GROUP SYMBOLS										GROUP SYMBOLS									
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117 AND 118 INDEX

PROCESSED AND PROPERTIES INDEX

BC

P III 2

Abstract of the Russian technical journal of Metallurgy, Metallurgical Literature, 1986, No. 471. The article describes the properties of the new alloy, which is a result of the work of the authors. The article is a new publication, thus showing the original article (translation generally being unnecessary), while obtaining a similar degree of accuracy.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

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11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
A balanced operation in a sugar mill and its economic significance. V. Szavsky. <i>Listy Cukrovar.</i> 52, 480-04 (1934).—A balanced operation represents a const. production per unit time in all departments. Means for regulating the production in the shucers, slicers, diffusion cells, satn., filter presses, evaporators, digestors and centrifuges are discussed. For a const. satn., a const. pressure of the satn. gas is necessary; an automatic pressure regulator is described which has functioned well in plants for several seasons. Frank Maresb																																																			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									

Measuring and sampling in the evaporators. V. Sázavský and K. Šandera. *Lišty Čukrovár.* 33, 9-13 (1934).—Temp. and pressure measurements made in the heating space of the evaporator revealed variations as large as 1.5-3.0° and 0.13-0.27 cm. During the course of a campaign the temps. in the evap. chamber rose 4° in the 1st evaporator but dropped 2° in the 3rd and 4th evaporator. Samples of the evap. liquor taken from many points showed changes in compn. Sketches are given to show where faucets ought to be placed in order to give most reliable samples of the evap. liquor.

Frank Mareš

G A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ																									
Heat technology and calculations in the control of evaporation. V. Sazavsky and K. Sanders. <i>Listy Cukrovar</i>, 53, 141-7(1934); Z. Zuckerind. <i>tehnologich. Rep.</i> 59, 233-40(1935). - Sample computations for a heat balance on evaporators are given for runs made at the exptl. institute and in a plant under operating conditions. Several instructive computations encountered in sugar plants during recent years are included. Poor heat transmission, incompetent sampling and overloading of the evaporator are some of the causes responsible for poor efficiency. Frank Maresch																									
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